

11-16-1982

Newspeak Volume 10, Issue 21, November 18, 1982

The Students of Worcester Polytechnic Institute

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The Students of Worcester Polytechnic Institute, "Newspeak Volume 10, Issue 21, November 18, 1982" (1982). *Newspeak All Issues*. Book 201.
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Faculty Awards Committee explained

by Marion Keeler
Newspeak Staff

Yellow letters filled the campus mailboxes this past week as the Faculty Awards Committee sent out their nomination forms. These forms bore the title Nomination of a Faculty Member for the Board of Trustees Award for Outstanding Teaching. The nominations are simple to fill out and they are very important to the committee which sent them. These forms are evaluated by the committee and used in choosing a faculty member to be recommended to the Board of Trustees for this award.

The Outstanding Teaching Award was established by the Trustees in 1960. The first recipient of this honor was Hobart H. Newell of the Electrical Engineering Department. The trustees set up this award to provide recognition to a



— Mike Roush.

member of the faculty who is not only conscientious in class, lab or project advising, but also shows a real interest in the students and gives effective class presentations. The faculty member is nominated by the entire society of faculty, alumni and students. In this manner, the award reflects the college's attitude of the significance of undergraduate study and the influence of good teaching in the WPI education.

Professor Laura J. Menides, chair of the faculty awards committee, stressed the importance of the nomination forms and the award itself. A good response by the college would show an active undergraduate society which understands the need for good teaching in the achievement of a college degree. The final deadline for nominations is November 30, 1982.

WPI Newspeak

The student newspaper of Worcester Polytechnic Institute

Volume 10, Number 21

Tuesday, November 16, 1982

The Unmasking
through Nov. 20
Alden Hall
8:00 P.M.

Biotechnology: WPI's newest department

by Joe Sheehan
Newspeak Staff

WPI has initiated a new and unique undergraduate degree in the fields of biology and biotechnology. Biotechnology is the application of engineering principles to biological processes, as well as the use of living organisms or their components in industrial processes.



Dr. Giles. — Kevin Santry.

ses. Recent developments in the field of biology have prompted the WPI faculty, led by Dr. Kenneth Giles, to provide an education with emphasis on the career opportunities that accrue as the field expands.

In the past, the biology industry was

concerned chiefly with agriculture and forestry. However, new developments in the study of genetics, cell culture, and DNA have shifted the emphasis to industrial and commercial use. The field is new and wide open and there is great demand for qualified workers.

Presently, there are around thirty companies in this area involved with biotechnology. Dr. Giles is aware of their needs and problems, and has selected a curriculum for WPI students based on the needs of industry.

According to Dr. Giles, the basic problem of the industry is the inability of biologists to convert their work in the lab into marketable, useful products for society. Those who have been able to turn this trick have made MEGAbucks. These enterprising entrepreneurs usually succeed because of their ability to scale up their products, i.e. take the product from the test tube through a manufacturing process so that mass production is achieved.

There is a void of personnel in the industry with the ability to scale up these products. Chemical engineers are trained to do this, but few of them have the necessary background in biotechnology to apply it in this field. On the other hand, the biotech people lack the knowledge of the chemical engineer. Thus, WPI has responded effectively to the needs of industry by instituting both an undergraduate and a graduate program.

Daniels digging solves problem, turns up others

by Howard B. Bernard
Newspeak Staff

Shortly after steam was seen spouting from between the curbstones in front of Daniels Hall the week before Parents' Day, Physical Plant Director John Miller and his staff had begun to work on the problem. However, when they started digging, what they had hoped would be a single leak turned out to be many leaks in a series along the entire exposed length of pipe. The pipes run from Riley to Daniels and Morgan and provide steam to heat those buildings and a means of returning the water which condenses when the steam gives up its heat to them. What Miller and his staff found when they dug was rusted metal spewing forth steam.

According to Miller, the workers had

exposed the pipe to determine the extent of the damage and effect repairs before Parents' Day, but when they saw that the pipe was as corroded as it was, they replaced the part of the pipe they had access to and filled in the hole to avoid that unsightly mess around and to restore heat, which had been shut off to facilitate work, to Daniels and Morgan for the weekend. Miller then had the weekend to confer with his staff and decide how to proceed. The problem was that the end of the decayed section of the pipe had not been exposed and the routing of the pipe was such that to reveal the rest of the corroded section, the workers would have to dig up the attractive inlaid brickwork in front of the entrance to the Wedge. But the rusted

(continued on page 3)

The Ethics of Engineering

Newspeak Staff
by Victor Schubert

The impact science and technology has on our lives is phenomenal. Because it is the engineer who utilizes the science and creates the technology, which affect our lives, they face ethical dilemmas in their work. From the conception of a new product the ethical questions of its very existence may arise, as in the case of weapons systems. More commonly, it may be a particular solution to a given problem that presents ethical questions, such as the disposal of toxic wastes. Also, an engineer may realize that a brake system is poorly constructed, but is being utilized because of its lower price, and their professional ethics come into light. The Humanities Department began their lecture series Monday with Rosemary Chalk who addressed the issue of ethics in engineering. Ms. Chalk is the program head of the Committee on Scientific Freedom and Responsibility of the American Association for the Advancement of

Carnegie-Mellon makes terminals mandatory

Campus Digest News Service

Those in the know at Carnegie-Mellon University say that the future of America is to be found on a magnetic disk and a silicon chip. In order to give their students the key to that future, CMU is instituting a new program which will require every student to buy his own computer terminal.

The terminals will cost the students approximately \$750 more per year, but the students will be allowed to keep their terminals after graduation. Richard M. Cyret, university president, feels the new program will be an affordable one, both because of the relatively low cost of the terminals and their high resale value.

Furthermore, Cyret feels that graduates entering an increasingly computerized world will find both the terminal and the training they received in operating it to be indispensable.

University officials claim that the widespread use of computers will significantly affect higher education, for instance, freeing the student from the time-consuming and unpleasant tasks associated with writing a term paper.

With the proper hook-ups, CMU students can review a library bibliography in their dorm rooms, edit a paper without retyping it, and quickly complete complicated calculations.

The program is expected to be fully implemented by 1985, at a cost of almost \$10 million to the university.

Science, and is currently a research fellow at the Program on Science, Technology, and Society at MIT. She has published articles in the field of professional ethics and social responsibility in science. Some of Ms. Chalk's ideas are presented here.

The world of engineering has many ethical problems. There are the ethical implications of creating a technology, such as those faced by the creators of the first atomic bomb. Ms. Chalk spoke on the ethical considerations an engineer has when they see a potential problem in an existing system, a problem that could affect public health and safety, such as high pollution discharge from a factory. If an engineer realizes this type of problem it is not the actual ethical decision that is difficult to make; it is the consequences one might face for acting ethically. "Blowing the whistle" as it is sometimes called, can get an engineer demoted or fired and then sent into the world with a bad reputation among employers. Few companies really want to hire troublemakers to their staff. Yet, the potential hazards to the unknowing public can be even worse. Product failure can result in the deaths of innocent people, and uncontrolled pollution emissions can cause health hazards. As Ralph Nader observed ten years ago, engineers are often the first to know and the first to grasp how to stop these problems, but are often the last to speak out.

Ethically, speaking out against a hazard is the proper thing to do, but in the world of reality, an engineer's warning may only get him into trouble while the problem goes unnoticed. Presently, "whistle blowers" have few legal rights. There are a few cases where one is defended by the law, but the vast majority of situations leave the engineer with no specific rights. Although most engineering societies have adopted a code of ethics, few support their members who live by it. The IEEE is one exception; they have backed engineers in their quest for safety. Ms. Chalk noted an example of a few San Franciscan engineers who spoke out against a braking system for a public transportation system, and as a consequence they were fired. The IEEE backed them and wrote letters of recommendation for them when they went to find new jobs. The IEEE has set up an award for "whistle blowers", the "Outstanding Public Assistance Award." Additionally, the IEEE has added an amendment in its bylaws to the effect that the society can stand by engineers who face problems when acting ethically. This is the only amendment of its kind among engineer-

(continued on page 3)

Dealing with midterm stress

Campus Digest News Service

Being a responsible student is stressful enough, but with the approach of midterm or final exams, there tends to be an accompanying increase in stress anxiety. Uncontrolled stress can easily cause one to blow his cool during a testing situation and can even lead to complications which could threaten the whole college career.

Now is the time when an increase of "if only" thoughts are likely to occur. Everyone is familiar with "if only" thoughts: ones like, "If only I had decided to become a race car driver," "If

only my allowance didn't depend upon my attending classes," and "If only I could drop out of school so I don't have to miss Saturday's football game."

Fortunately, it is quite normal to have such thoughts, to have the hesitation and anxiety that accompanies high-stress situations. And, unpleasant as they may be at the time, stress and anxiety can be productive states if used to the proper advantage.

The key to managing stress and anxiety is recognition that it exists. Excess stress can rob a person of his cognitive and creative thought pro-

cesses when he is most in need of them. To do anything about it, however, one must first become aware of the stress. Stress can manifest itself in many forms; mental, physical and emotional. Here's what to look for:

MENTAL: Forgetfulness, loss of concentration, poor judgment, disorganization, lack of interest/motivation, living in the past or future, obsessions and compulsiveness.

Warning: Caffeine and sugar are known to affect concentration and recall of information. Now is the time to take

(continued on page 5)

Ugly men fare better

Campus Digest News Service

Ugly men have better jobs and better educated wives than good-looking men, a new survey says.

The survey found that looks have no effect on income, but in other areas, attractiveness in men hinders gains in status.

The survey was done by University of North Carolina researchers.

The least attractive men have the most education and their occupational status is higher on the job classification scale the researchers found. The survey showed that uglier men performed better at school and had sexual relations at a later age than their better-looking counterparts.

However, the survey said that "outstandingly" good looking men attain jobs of equal prestige as those of the least attractive.

The survey also found that a woman's attractiveness was not related to education, occupation, or personal income. Nevertheless, there was considerable evidence that feminine attractiveness affects the adult status through marriage to a high-income husband.

The survey said that the more attractive the woman, the better educated her husband. The opposite was true for men.

There was no correlation between a woman's looks and her school performance or adolescent sexual activity, according to the survey.

The study used data from a survey in 1970 of 601 men and 745 women. That survey followed up a study of men and women who were first questioned in 1955, during their sophomore year in high school. Research assistants then rated the respondent's looks, using high school pictures. The survey was made public on Sept. 7 at the 77th annual meeting of the American Sociological Association.



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...engineering ethics

(continued from page 1)

ing societies. On the whole, the average engineer who speaks out is protected by no one. There are few laws that apply and no set mechanisms to defend the engineer.

Ms. Chalk had a few recommendations for those who find themselves faced with an ethical decision to make. Most importantly, an engineer should be confident that a problem does exist and that the problem is going to go unnoticed which may result in some sort of public hazard. Ms. Chalk spoke of the many calls she gets from potential "whistle blowers" who simply have no documentation and no sound reasoning behind their claims. Telling the public that there is a danger where none exists is as unprofessional as letting a real problem slip by. Over documentation can also be a problem; sorting through reams of technical data is very time consuming. After proving concretely that a problem does exist, the engineers should try to work through the proper channels to effect a solution. Some companies have special channels for such information, allowing it to go right to people who have some power instead of being lost in the paperwork below. Often times there exists a genuine ignorance of a problem and an engineer's suggestion will be welcomed. If such an approach fails, the engineer must go to sources outside the company and therefore be prepared for some kind of company backlash. Before any state-

ments have been made it is advisable to find the exact legal rights particular to the situation. Ms. Chalk gave an example of an engineer in Florida who lost his job because he warned people of a potential health hazard. He found out later that the Clean Water Act specifically forbid his firing. However, there was a thirty day limit on reporting the injustice and he had waited too long, simply because he was ignorant of his legal rights. The engineer must anticipate and prepare for any sort of action the company takes. Ms. Chalk suggested that engineers push for their particular professional society to stand behind their colleagues who act, within professional standards.

It is important that engineers speak out. They are working for a public that places a great deal of trust in them. Engineers are responsible for their work and any harm that may come as a result of it. Engineers who speak out against potential hazards have said that to know a problem exists, and not stop it, is a real mental drain. Those San Francisco engineers mentioned before, said that they could not sleep at night knowing that a problem existed and was going unnoticed. There is, also, a feeling of uselessness if an engineer finds a hazard and no one cares. After all it is their job to look for such things. Slowly, laws are changing to help improve professional standards, but presently it is up to the particular engineer to be strong enough to act in an ethical manner.

Soccomm previews

Thursday, November 18

This week's coffeehouse features Howie Newman, beginning at 9:00 p.m. in the Wedge. Howie has several records out, some of which have received air play nationwide. He has a vast repertoire, including contemporary, popular, and light rock as well as many originals, some of them humorous.

Saturday, November 20

The Preston Porter Band will provide the entertainment for the pub. The band is popular in this area and it plays Ralph's Chadwick Square Diner regularly. Their specialty is be-boppin' rock 'n roll, so come up to the pub at 9:00 p.m. equipped with dancin' shoes.

... Daniels diggings

(continued from page 1)

pipe had to be replaced in order to restore efficient heat before the heavy winter cold set in.

Wednesday morning digging resumed. According to Miller, the original pipe is to be abandoned. A new pipebed is being dug from the junction of the old and new pipes in front of the Wedge to the basement of Morgan. A new hole in the basement of Morgan will be the means of getting the new pipe into the dormitory. Once the pipe is laid, the heat will be shut off for a short time to allow workers to connect the pipe laid

last week with the newly-routed pipe, and then the steam flow will be resumed. This method of replacing the pipe will eliminate damage to the brickwork and minimize "down time" of the heat to Daniels and Morgan. Work is expected to be completed in about a week or less, Miller says.



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Two versions of "Alice" presented

by Skip Williams
Newspeak Staff

On Thursday, November 11, the Humanities Department presented two versions of Lewis Carroll's "Alice in Wonderland" as the second installment in their series of Novels on Film. Both films tell the story of the young girl Alice who falls asleep on a river bank and enters a world of strange events and weird creatures. The first version presented was a 1915 silent film written and directed by W.W. Young; the other, a more recent 1972 film, which had the benefits of color and sound, was written and directed by William Sterling.

Both of these films have retained much of Carroll's story of Alice's adventures in Wonderland, but each presents the material in different ways. For example, anyone who has ever read or even heard of "Alice in Wonderland" knows that what happened in the story is only a dream. Although both filmmakers acknowledge this fact, they do so in different ways. Director Young filmed a good part of his silent version outdoors, or on location, giving his film a realistic

quality while director Sterling filmed his version entirely indoors with the benefit of sets which created an artificial environment, giving his film a more unnatural or dreamlike quality. This does not mean that Young's film doesn't achieve a dreamlike quality at all for it does, but it does so through the characters that Alice meets who resembles quite closely the Tenniel drawings that have appeared along with Carroll's story in many books. These characters are caricatures of normal people. In Sterling's 1972 film, Alice meets a great deal of people and animals and things, all of whom look like actors wearing elaborate makeup and costumes. This takes away from the fantastical setting Sterling had previously established with his "imagined" sets making both films just about even in the dream area. An interesting sidenote is that the makeup effects in the 1972 "Alice in Wonderland" were done by Stuart Freeborn, the same man who gave us Chewbacca, C3PO, Yoda, and others in the "Star Wars" films.

Another thing the 1972 version has going for it is the performances even

though they border on the absurd. Fionna Fullerton's portrayal of Alice in the 1972 version is superior to that of Viola Savoy in the 1915 version. Although it's true that Miss Fullerton is blessed with an audible voice, Miss Savoy seems to ham it up a bit too much to be taken seriously. Also, the actors in the silent version seem to just mill about where in the sound version, the actors participate in the story and don't just stand about and watch the action. Of the performances in Sterling's "Alice", those that stand out particularly include the performances of Michael Crawford as the White Rabbit, Peter Sellers as the March Hare, Robert Helpman as the Mad

Hatter, and Dudley Moore as the Door-mouse.

Now comes the real question. Which is the better movie? It would have to be William Sterling's 1972 "Alice in Wonderland", primarily because of the fact that this one has sound and the viewer can get so much more from hearing an actor say a line than reading what the actor is supposed to say. It is also a better film because even though both versions follow Carroll's story rather closely, Sterling's film has the technology needed in order to follow the story practically to the letter where Young's film cannot.

It came from bad films

by Skip Williams
Newspeak Staff

If you've ever been trapped at home on a rainy Saturday afternoon and have had nothing better to do but watch T.V., you're probably quite familiar with the type of movie fare featured in "It Came From Hollywood." This film features clips from the movies that Hollywood would like to forget — the B movies, where B stands for "bottom of the barrel." Dan Aykroyd, John Candy, Cheech and Chong, and Gilda Radner are the grand marshals in this parade of pitiful pictures. Although the hosts' wisecracks are often quite hilarious and right on target, they're not always needed, for the films themselves provide for much of the unintentional laughs.

For example, in one sequence, a man is chased down a street by a rolling tomato in "Attack of the Killer Tomatoes." The same film features this ensuing bit of dialogue: A man says to his wife, "Martha, there goes one of your tomatoes," to which she replies, "I didn't

know they got that big. What's it doing?"

"I don't know, but it's got little Timmy."

Also included in "It Came From Hollywood" are such classics as "Mars Needs Women," "The Fifty Foot Woman," "Plan 9 From Outer Space," and "The Incredibly Mixed-Up Zombies." A segment hosted by John Candy features a tribute to Edward D. Wood, Jr., the man who is responsible for "Plan 9 From Outer Space," an incredibly insipid sci-fi epic starring scientists and zombies, although it's hard to tell who's who, and "Glen or Glenda," a sensitive tale of a transvestite who must choose between the girl he loves and the girl he is.

If you've ever had to sit through one of these films, you'll appreciate that all the feature film dishes are served up with dry wit and a grain of salt. "It Came From Hollywood" does for bad movies what the Academy Awards do for good ones; it puts them into the limelight to get the recognition they deserve, to get their "just desserts."

The T's capture The Goats Head Pub

by John S. Dranchak

On Saturday, November 6, anyone who happened to wander into The Goat's Head Pub was in for a musical treat: The T's. The T's captured the audience with their great originals and covers by such popular artists as The Stones and Tom Petty. Another factor

The T's call their original style of music power pop, and their originals currently make up about thirty percent of their repertoire. By using keyboards for textures instead of as a solo voice (a la ELP), The T's originals sound like a cross between Loverboy and The Cars. With a sound like that, they should be able to make a killing in the market.

ON THE BEAT

that helped them capture and hold on to the audience was guitarist/vocalist Vinny Liuzzi. Besides playing soaring solos, he danced around the stage throughout the night, and courtesy of a wireless guitar transmitter, he often strolled out into the audience. He even perched himself on a chair twenty feet from the stage for one of his hot solos.

They currently have a single out called Heartbreak which gets airplay on WAAF, and have been the most requested band on WUSM (Providence) for this past year. Recently, they were the opening act for Heart and John Cougar at the Providence Civic Center. So, if you want to check out some great local talent, see The T's while they are still local talent.

ACROSS

- 1 Evaluate
- 5 Snatch
- 9 Once around a track
- 12 Islands off Ireland
- 13 Unusual
- 14 Money of yore
- 15 Funeral car
- 17 Tellurium symbol
- 18 Recent
- 19 High cards
- 21 Royal
- 23 Dunker's delight
- 27 Note of scale
- 28 Street show
- 29 Opening
- 31 Obstruct
- 34 Conjunction
- 35 Import in a way
- 38 Cerium symbol
- 39 Greek letter
- 41 Summer, in Paris
- 42 Goodnight girl of song
- 44 Negative
- 46 Held in high regard
- 48 Tardier
- 51 Semester
- 52 Mature
- 53 Near
- 55 Stage whispers
- 59 Metal
- 60 Capuchin monkeys
- 62 Ripped
- 63 Brick-carrier
- 64 Undiluted
- 65 Sicilian volcano

DOWN

- 1 Cheer
- 2 Exist
- 3 Chinese pagoda
- 4 Angers
- 5 Jade or lime
- 6 Sun god
- 7 Skill
- 8 Lager
- 9 Yearned
- 10 Region
- 11 Detent
- 16 Plot
- 20 Imply
- 22 Teutonic deity
- 23 Let fall
- 24 Rows
- 25 Chaldean city
- 26 Label
- 30 Pincers
- 32 Teen problem
- 33 Reward
- 36 Southwest-

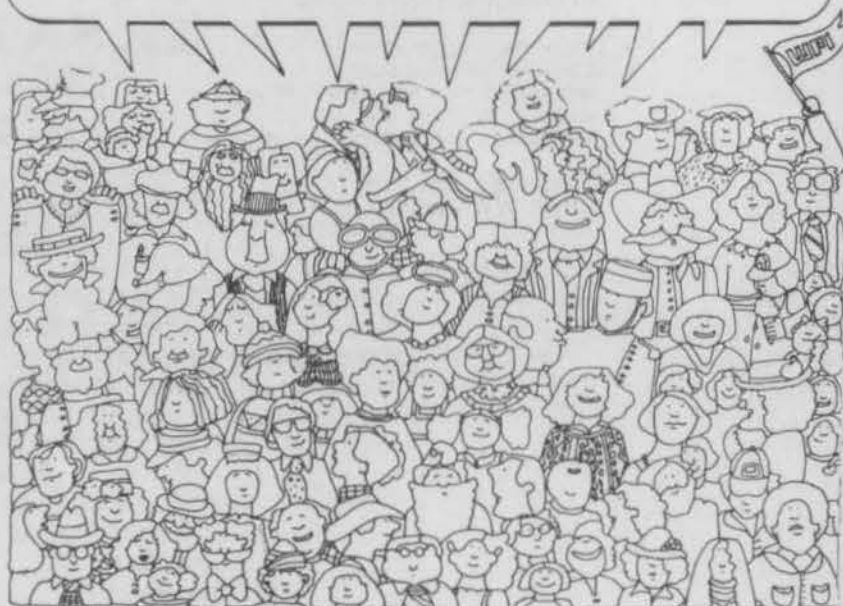
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- 40 Plan
- 43 Printer's measure
- 45 Diphthong
- 47 Plague
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- 50 Grate
- 54 Greek letter
- 56 Speck
- 57 Sea eagle
- 58 Red or Coral
- 61 Negative prefix



INTERSESSION-83



Registration for WPI students:
NOV. 29-DEC. 3, 1982
at the WEDGE, MORGAN HALL
11:00 AM - 3:00 PM

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police NEWS

by Greg Doerschler
Associate Editor

Highlights

Student Arrested in Disturbance

A WPI student was arrested by the Worcester Police Department (WPD) early Sunday morning November 7 on Institute Road near Dean Street after he became involved in an altercation with another WPI student. WPI Police assisted WPD in the incident. The same subject had been observed by WPI Police earlier that evening operating his vehicle in a reckless manner at the intersection of Institute Road and Boynton Street and on a front lawn of a residence on Institute Road. The subject was at this time identified and his name was forwarded to WPI authorities.

Vandalism to Vehicles

Several vehicles parked near campus were reported to have had their windows smashed this past week. One vehicle parked on Drury Lane was reported to have broken windows on Friday, Nov-

ember 5. Another had its windows smashed while parked on West Street a few days later, Wednesday, November 10. A vehicle parked on Hampden Street also had its windows smashed on Wednesday, November 10.

Police Log

The following are excerpts from the WPI Police log for the period November 5-November 11. The listing consists of significant incidents and items of general student interest.

Friday, November 5

3:20 P.M. — A WPI student reported that his vehicle parked on Wachusett Street had been struck by another vehicle in a hit-and-run incident.

10:00 P.M. — Windows of a vehicle parked on Drury Lane were found to have been smashed.

11:50 P.M. — WPI Police received a report of a fight in a residence hall. The altercation occurred between two non-

WPI students, who were guests at the residence hall.

Daniels Hall. The devices had been lit but did not go off.

11:26 P.M. — A WPI student was stopped by WPI Police for operating his vehicle erratically in the area of Boynton Street and Institute Road. See Highlights.

Saturday, November 6

12:40 A.M. — A fraternity reported that two kegs were stolen from the house. The group responsible for the theft was identified by fraternity members, and the kegs were recovered by WPI Police.

8:44 P.M. — WPI Police Student Security reported finding two stink bombs in the first floor men's room in

Sunday, November 7

12:20 A.M. — A WPI student was arrested by WPD regarding a fight at Dean Street and Institute Road. WPI Police transported another student involved in the altercation to UMASS Medical Center for treatment.

Tuesday, November 9

12:10 A.M. — SNaP reported that a student had damaged a ceiling tile in the Wedge. The student reported that he was standing on a table stretching his arms when he accidentally hit one of the tiles with his hand and it fell down.

Wednesday, November 10

9:20 A.M. — A vehicle belonging to a WPI student parked on Hampden Street was reported to have had its window smashed. WPD was notified.

7:05 P.M. — A WPI student reported that windows in his vehicle parked on West Street were smashed sometime during the afternoon.

Thursday, November 11

5:40 P.M. — A WPI officer stopped a vehicle on Boynton Street after the vehicle ran the cruiser off the road. The operator was identified and advised.

6:55 P.M. — A fraternity member reported a suspicious vehicle in a WPI owned parking lot on Dean Street. Two subjects were questioned in a vehicle parked in the lot. Controlled substances were confiscated and the non-WPI students were sent on their way.

...Midterm stress

(continued from page 2)

up jogging for that needed pick-me-up.

EMOTIONAL: Irritability, nervousness, moodiness, emotional outbursts, over-demands of self and others, depression, hostility. In other words, an excessive emotional display of any sort.

PHYSICAL: Muscular tension, high blood pressure, cold extremities, headaches, digestive problems, constipation, insomnia.

You may be a chronic stress carrier and therefore not familiar with a more relaxed state. A series of isometric exercises will help you locate areas of muscle tension.

Now that you know what to look for, here's what you can do to lessen stress in the testing situation.

In general, take care of yourself. There are many forms of nourishment. Get plenty of rest, exercise, eat nourishing food, get a massage.

Plan ahead. The easiest way to be the most comfortable in, or maybe even to enjoy, the testing situation is to know the material, right? Most people enjoy performing when they feel proficient to the task.

Break down tasks and make a schedule of daily activities. Be specific. Tackle your most difficult subjects first.

Study in groups from two to six people. Construct sample questions for rehearsal.

Ask the professor what form of test to expect. Reduce the element of surprise within the bounds of ethics.

Plan for intermittent periods of relaxation/reward and study. A guide to go by is:

- Two hours of study for one hour of television.
- Read three chapters for a 10-minute walk.
- Go over class notes then call a friend to discuss them.

Remind yourself that you are being rewarded for good work when you take your break.

Set reasonable goals. If you tell yourself the only way you will be successful on this exam is to ace it, and you have missed a week of notes and have 15 chapters to read, you aren't exactly being realistic. Don't give up, but don't lie to yourself, either. Do the best you can within the time allowed, and remember the rest when it comes time for finals.

If the situation feels unmanageable, don't struggle through it alone. Seek out the comfort of friends; talk to your adviser; enlist the aid of a caring counselor. It makes good sense to help yourself out with the most appropriate and efficient tools available.

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WPI Interviews Friday, December 10, 1982

MITRE will be conducting campus interviews Friday, December 10, 1982. Contact your Placement Office to arrange an interview if you are a BS, MS, or Ph.D. candidate in:

**Electrical Engineering
Computer Engineering
Computer Science
Mathematics
Physics**

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LETTERS

Democrats offer a better solution

To the Editor:

A few words are in order concerning Mr. Childs' recent commentary, "A referendum on Reaganomics". The arrogant manner in which he presents his views is hardly appropriate considering his obvious lack of any understanding of the subjects he writes about.

First, when citing information from a survey it's important to know more than just the source. An intelligent assessment of such a poll requires that you know the date of the poll and the manner in which the sample was taken. The evidence presented by the results would be a lot stronger if there wasn't this lurking suspicion that it was taken from a survey conducted among the subscribers to *U.S. News and World Report*, a magazine not known for hiding its right wing biases.

Even assuming that the poll was taken randomly, the exact wording of the questions should be given. Certainly a question like "Will the economy improve?" is vacuous. The only surprise is that 44.8% of those surveyed didn't think that it would, which makes one wonder what visions of apocalyptic doom dance in their heads. The phrasing of questions can greatly affect the results. There was also no question asking how well the President is taking care of our social programs.

Second, Mr. Childs believes that because interest rates are down along with inflation that it is a sign the President's

economic policies are beginning to work despite 10% plus unemployment. This sort of reasoning is typical of the present administration that delights in predicting an upturn using whichever economic indicator seems most convenient. It's fairly obvious that interest rates are dependent on the rate of inflation because, for an institution to make money on a loan, you must charge more for the money than the amount it is devalued over the term of the loan. So, interest will go down if the money retains its value for a longer time. Further, a lower interest rate is not always a harbinger of economic recovery. For instance, the rate of growth in the consumer price index in 1932 was -10.31% and joblessness had reached 23.6% (according to *Statistical Abstract of the United States and Historical Statistics of the United States*). The next

time unemployment was below 10% was 1941 when it went down to 9.9%. It is generally accepted that high unemployment brings down inflation, is this President Reagan's strategy to lower inflation? It's strange that you'd want to credit him with something that's a result of a one in ten unemployment rate.

Now, in reply to Ed Childs' questions, yes, the Democrats offer a better solution, one which serves the needs of the underprivileged. The cycles of economic decline and prosperity are well recognized in all Western economies and seem to be unavoidable. We have to accept this and make the bad times less so and to help the not so fortunate through them. It's quite possible that Reagan has no control over the economy and should take no credit for either the good or the bad. You talk about Jimmy Carter's lasting effect, you

don't suppose our two previous Republican presidents had any effect on this situation? To his last question, thoughtless that it may be, I ask Mr. Childs, though we have economic problems right now, where are the social problems that we see in other countries around the world? Our standard of living is rivaled by few and is a result of these "fifty years of socialism" that you scoff at. I don't think anyone seriously wants to give up a half-century tradition of concern for his fellow man.

Finally, does Catherine Faust think that this country could have reached this point without the many different views that make up the dynamic process of government. The leaders are elected to provide that synthesis and that is what makes the United States unique.

— Steve Wheaton '84

View economic situation with caution

To the Editor:

I basically tend to agree with Edward Childs' "A Referendum on Reaganomics." Indeed, many of our economic woes can be traced back to the Carter administration and the socialistic policies of the administrations of the past fifty years. Too many seem to forget that the times weren't totally rosey during the Carter years. Ten to thirteen percent inflation and fifteen to twenty plus

percent interest rates were nothing to reverse. Now, however, with the descending of interest rates, we can expect substantial pickup from current recessionary levels.

Although I agree with President Reagan's general theory of cutting government waste and holding down the size of government, I cannot call myself one of his staunch admirers. There have been not a few instances when Mr. Reagan the President has not acted the way Mr. Reagan the campaigner said he would. To note a few inconsistencies:

1. Ronald Reagan the campaigner took a tough stand against abortion, vowed he would put up a tough fight for the rights of the unborn, and said he would choose a pro-lifer for his running mate. Ronald Reagan the President, after having chosen George Bush (who is anti-abortion by no means) as his V.P., said and did little or nothing about the issue until the Knights of Columbus meeting in Hartford a few months ago. It should be noted, however, that he did later encourage passing the eventually unsuccessful Helms anti-abortion bill.

2. Ronald Reagan the campaigner gave the impression that he would have nothing to do with the dubious characters of David Rockefeller's Council on Foreign Relations and Trilateral Commission. He had even fired his campaign manager because of his affiliation with the money interests of the "one world" theorists. Yet when President Ronald Reagan put Alexander Haig, Caspar Weinberger, George Bush, and others on display, at least a few feelings of suspicion began to arise.

3. Ronald Reagan the campaigner in no uncertain terms proclaimed his

pledge of support to the enterprising Nationalist Chinese of Taiwan. We were not to favor the communistic Red Chinese at the expense of our Taiwanese ally. But Ronald Reagan the President has announced that the termination of arms sales to Taiwan will come soon, while Alexander Haig, Charles Shultz, and others have expressed their fond wishes to have full relations and highly increased trade with Red China. According to the President, though, "We haven't changed our stance a bit." Apparently, communism with its slave labor is all right, just as long as it isn't from Moscow. Perhaps, though, this feeling won't be so highly regarded in the years to come.

Thus, while agreeing with many of the policies of President Reagan and his administration, I feel that at the same time we should constantly view the situation with caution.

— Tim Watkins '84

Article shallow defense of Reaganomics

To the Editor:

Last week's "from the right" article offered yet another shallow defense of Ronald Reagan and Reaganomics. Some of the numbers quoted in that article are questionable while others are plainly irrelevant. But since we want to maintain consistency of record, perhaps the author would care to explain the figures in the same publication he quoted, *U.S. News and World Report*, of November 15. The President's performance was rated in several areas by the voters; 52% disapprove of his overall handling of the job, 56% disapprove of his performance with the economy, 64% disapproved with regards to Social Security, 50% rate him poorly concerning inflation, while 70% disapprove of his performance in dealing with unemployment. Only in foreign affairs did he get positive ratings. What happened here? A fluke? Perhaps. We all know how numbers are like that. But further, Reaganomics is showing its true colors as time goes on and they're awful pale. Even 1982 Nobel Prize winner in economics, George Stigler, a conservative, referred to it as a gimmick. It seems he, like the rest of us, knows someone who's getting trickled on.

The author continues with some Republican rhetoric which by now must seem like second nature. It's called "blame your predecessors." You would think they would hand the guy a new script after two years. The other problem with that practice is that the Republicans are blaming themselves for 16 of the last 30 years.

The article says that there have been no alternative solutions offered. Democratic and bipartisan proposals alike have been ignored or have fallen victim to this administration's intransigence. They have been given the benefit of the doubt on nearly every piece of legis-

(continued on page 7)

Letters Policy

WPI Newspeak welcomes letters to the editor. Letters submitted for the publication should be typed (double spaced) and contain the typed or printed name of the author as well as the author's signature. Letters should contain a phone number for verification. Students submitting letters to the editor should put their class year after their name. Faculty and staff should include their full title. Letters deemed libelous or irrelevant to the WPI community will not be published.

The editors reserve the right to edit letters for correct punctuation and spelling. Letters to the editor are due by noon on the Saturday preceding publication. Send them to WPI box 2472 or bring them to the Newspeak Office, Riley 01.

Commentary articles reflect the opinions of the writer and not necessarily of Newspeak.

Newspeak

(USPS 535-480)

The student newspaper of Worcester Polytechnic Institute
Box 2472 WPI, Worcester, Massachusetts 01609
Phone (617) 793-5464

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WPI Newspeak of Worcester Polytechnic Institute, formerly the Tech News, has been published weekly during the academic year, except during college vacations, since 1909. Letters to the editor must be signed and contain a telephone number for verification. WPI Newspeak subscribes to Collegiate Press Service, Collegiate Headlines, and National On-Campus Reports. Editorial and business offices are located in Room 01, Sanford Riley Hall at WPI. Copy deadline is noon on the Saturday preceding publication. Typesetting done by Laplante Associates. Printing done by Enterprise Printing and Graphics Company. First class postage paid at Worcester, Massachusetts. Subscription rate is \$10.00 per school year, single copies 60 cents within the continental United States. Make all checks payable to WPI Newspeak.

VTN may be responsible for computer overload

To the Editor:

There has been some talk lately about the slowness of the DEC system 20/60 here at WPI. I have worked on 20's other than the one here and I believe the problem goes deeper than the number of people on the system. The 20/60 is a very, very large computer and should be able to handle the present load. I believe that the problem is with the virtual-terminal network, VTN, recently set up here. I am a regular user of the system (more regular than I would like to admit). I've worked on the system several times at the end of a term when everyone is trying to get his/her program finished and it has never been as bad as it was at the end of last term. The problem did not go away either. The system is nearly as slow now as it was at the end of last term. I think that VTN is a great idea, but I also think that the designers underestimated the amount of overhead it would cost the 20. The extreme loads began at nearly the same time VTN was established. If anyone cares, VTN is the first place to start looking for a solution to the load problem.

— Donald R. Airey

COMMENTARY

Comp preparation problem number 3

Well seniors, it's time to start thinking seriously about your Comp. It's time to sharpen those technical skills and position your psychology to tackle the most intimidating of the degree requirements. But, relax seniors. During B term **Newspeak** is offering "Comp Prep", which will be presented as a series of Engineering/Science problems designed "to lighten you up" by challenging your alleged bearing as the stereotypical no-nonsense student of technology.

One problem will be presented each week. Submitted solutions that are most

consistent with the spirit of the problem statement will be printed in subsequent issues. Not only seniors but also faculty administration, and underclassmen/women are invited to try their hand.

So here is Comp Prep Problem No. 3 with an introduction to the author. Send in those solutions!

A great deal has been written about why glasses (bi-ocular correction mechanisms) slide down the nose. Bulging eyeballs which put an external lateral

tional forces; but logic dictates that since the glasses are secured at each ear and still slide, if gravitational forces were responsible, why wouldn't the forehead skin, which is secured on the skull bone, slide down the nose as well? These and other factors should be taken into consideration in the design of glasses that fail to slide down the nose even during double takes, bridge, and apple bobbing. Be sure not to omit in your design analysis factors such as skin texture, perspiration viscosity, and reading preferences.

comps we like to see

Introduction to the Author

The third Comp Prep Problem is authored by our own Dr. Ivy Cormack McCarbuncle, Professor of Bio-Medical Engineering and former third floor wash room attendant at the Mayo Clinic.

Prof. McCarbuncle, the Father of Hemodynamics, discovered that the rate of blood flow from a cut in the skin is directly proportional to the level of hemophobia of the victim (Ed. note: McCarbuncle felt this was the basis of hemophilia and a fear of porcupines).

Professor McCarbuncle pioneered work in non-invasive cardiology measurement using the "ear to chest" method to assess vital signs (different from "wrong way — go back" or "turn off here fore the pelhams"). While adjusting his

hearing aid, McCarbuncle admitted his method lacked some refinement, but he said, "It'll be used . . . people just don't carry machines around with 'em."

Professor McCarbuncle designed the first right lower-leg prosthesis made of balsa wood, and when an infestation of termites straightened out a limp in the first patient's gait, McCarbuncle was given the key to the city.

Despite his achievements, McCarbuncle has been assailed by his colleagues as "not knowing arterial topography from the Ipswich Causeway System." Nonetheless, we have chosen to print Prof. McCarbuncle's Comp Prep Problem because it has the potential to elicit the kind of complete nonsense we're looking for.

Who's in charge here?

by David F. Wall
Newspeak Staff

A recent article in **Worcester Magazine** indicated that many of the city's private and non-profit organizations had some of the most powerful corporate executives in the area on their governing boards. Among these was Worcester Polytechnic Institute. Steven D'Agostino and Francis Connolly mention Mr. Joseph Carter of Wyman-Gordon, Mr. Robert Cushman of Norton Company,

Not that the names are unfamiliar. Men such as Mr. Morgan and Mr. Stoddard are from some of the oldest families in the city, as old as the city itself, almost. These families in the past have done the city and WPI a lot of good. I feel no particular nervousness about the link between the school and these gentlemen. Someone, after all, must serve on the board of directors.

What unnerves me personally is that I never thought to wonder who was on the

OUT OF TURN

M. Howard Jacobson of Chicago Dressed Beef Company, Mr. Paul Morgan of Morgan Construction, and Mr. Robert Stoddard, owner of the **Worcester Telegram and Gazette**, as serving on the board of directors of WPI and of several other institutions as well.

I didn't know that, and I'll bet you didn't know it, either.

OGCP and other ailments

by Neil Sullivan

Upon graduation from this prestigious institute, seniors are faced with many varied opportunities. A graduate may choose from a myriad of career paths, a multitude of graduate schools, or an

...Reagonomics

(continued from page 6)

lation they claimed was needed to stimulate the economy and yet we still have economic stagnation.

If this administration is not willing to take the blame for the economic situation of this nation then rightly they should claim those things for which they are truly responsible, such as; an irresponsible environmental stance, defense spending that has given us record deficits and an outdated oppressive foreign policy.

Finally, the article concludes with a lament about those who recklessly criticize government or criticize it at all. Here, I strongly disagree. Certainly the author was not suggesting that we return to unquestioning blind obedience. The democratic form of government's reason for existence is to provide a forum so that everyone can express dissent with the policies that dominate our lives. The price you and I must pay for the right to do so is that we must be exposed to those ideas with which we strongly disagree.

— Andrew Racicot '83

board of directors. True, WPI is an institution of, by and for the students. If it isn't, it ought to be. But someone has to make decisions regarding the fate of the school, and I find it disturbing that I did not realize who it might be until **Worcester Magazine** came along and informed me.

(continued on page 11)

equally enormous number of religious cults. If a career path is chosen, WPI has a resource of extraordinary dimensions known as the Office of Graduate and Career Plans, affectionately called OGCP or the Placement Office.

The Placement Office is cleverly hidden on the third floor of Boynton Hall so that only someone who is really looking for it will ever find it. This locale tends to keep out the riffraff. When a person enters the office for the first time, he is instantly impressed with the decor. Walls, partitions, bulletin boards, and tables are plastered with notices, advertisements, and brochures. At first glance one is bound to conclude that WPI could solve all its financial problems by simply buying stock in St. Regis.

OGCP, under the stalwart guidance of Dean Trask, has devised a very simple system for setting up interviews between graduate candidates and companies. First, the student fills out forms, not just fill in the blanks forms either. These are "tell us all about your life" forms. These are forms that delve into the past: "What are your personality strengths and weaknesses?" or "List every course you have ever taken since elementary school with its grade and its significance on your career choice," or "What is your favorite vegetable?"

After two or three of these forms the student is cognizant of the fact that his

(continued on page 8)

Comp Results October 1982

Dept.	Total Exams Given	Total Number AD	Percent AD	Total Passed AC & AD	Percent Passed AC & AD
BB	0	--	--	--	--
CM	0	--	--	--	--
CH	4	1	25%	4	100%
CE	0	--	--	--	--
CS	0	--	--	--	--
EE	18	4	22%	11	61%
HU	0	--	--	--	--
ID	1	0	0%	1	100%
MG	0	--	--	--	--
MA	0	--	--	--	--
ME	31	5	16%	17	55%
PH	1	1	100%	1	100%
TOTALS	55	11	20%	34	62%

A Term stinks

by Stephen D. Rogers
Newspeak Staff

And so does B Term registration and course changing. Black Tuesday. I looked at the board in consternation, and was just able to rip my eyes away to see the frenzied activity around me. Kids running back and forth: "She sent me over to this desk!" "You mean I need my schedule?" Everyone froze as one of the girls went over to a blackboard. Which course would it be? She crossed out the number of a CM course, and one could almost feel the tension ease off — it was only a chem. eng. course. George stared

election year yet! Yes, it won't be long before we see . . . "We bring to you at great expense this preview of a new NBC show — "Poison the Public." In this hour long game show, celebrity stars decide which contestant has done the best job poisoning the public, awarding him with a plea of not guilty by reason of insanity. Our first contestant — Miss Robin Tylenol; she's a DAKA girl (wild applause)."

People have asked me what it's like to go through everyday life with the mind that comes up with these articles. It's like getting home for term break, undressing

RANDOM RAMBLINGS

at the board in disbelief — he couldn't get the CS course, couldn't get the ES course, he didn't know what to do. As Van A said, "Well if I were you . . ." the room became silent: when Van A talks, people listen. Then the floor went insane. The girls started running to the board, classes were filling up like crazy. Twenty seven, twenty eight, twenty nine. "When it hits thirty, sell!" Someone third in line watched his class fill up and started crying. After he had waited in line for three hours, his academic career was finished. Students started rushing the desk to get what courses they could. A fight broke out and someone started screaming. The blackboard fell with a crash — four students leapt off the roof of Salisbury.

What's with all these poisonings? I mean cancelling Halloween — and in an

and climbing into bed, and then wondering, "Being the last person out of the apartment, did I lock the door?" And driving back to Worcester to find the door was locked, and then finally getting back home at 2:30 in the morning. Yes, that's a true story, and if you don't believe me, you can ask a certain Shrewsbury policeman who no longer drives through an intersection just because the other guy has a red light.

Well Halloween has come and gone. Holidays are always special times — and not just as an excuse to destroy more of your brain and liver. As we spend more and more of our time acting mature, holidays provide focal points which almost allow us to go back in time. With Halloween in the air, one could actually remember picking red and yellow leaves

(continued on page 8)

...A Term stinks

(continued from page 7)

on the way to classes and then taping them up on the refrigerator door at home. A simpler time when WACCC was nothing more than the sound of bouncing the basketball off your sister.

And that's a wrap. Or in less technical jargon — this is it. Thus Random Ramblings ends, after its shaky start a week after a year ago today. It's been interesting and I thank almost everyone for their support. On guard.

Job-hunting cutthroat

Campus Digest News Service

With more than 10 million Americans out of work, the competition for jobs is really getting keen. Even minimum wage jobs are highly sought-after, sometimes by people who have earlier had jobs which paid much more than minimum wage.

Unemployment benefits are getting harder to come by, as well as welfare, and this is increasing the competition for minimum wage jobs as well. In some parts of the country, a single job opening will attract several hundred applicants.

Workers who were laid off from the steel and auto industries have a good chance of never being rehired by their former employers. They are now having to turn to minimum wage jobs just to earn a living. The adjustment from a \$16 an hour job with company benefits, holiday and sick pay, health insurance, etc., and that of their new job, which may offer little in benefits or job security, can be quite a traumatic shock to them. And these higher-paid workers are now entering into a new level, thereby reducing the number of minimum wage jobs that are available to teens, minorities, and housewives re-entering the job market.

The situation is not likely to improve in the near future. Many companies besides the big companies in the hard-hit industries of steel, many auto and rubber companies, are just not replacing employees they are losing naturally.

As jobs become more scarce, people who are out-of-work tend to lower their

sights as far as matching their previous salaries go. The more job interviews they come away from without getting the job, the more likely they are to take a pay cut just to get a job, figuring any income is better than none.

The retail field is one where jobs are highly sought-after now. Employers are sometimes scared of hiring someone who may not be happy in his new lower-paying job.

The slump is really hitting employment agencies hard, too.

With many employers not replacing people who leave, and not hiring on additional people, the number of jobs for agencies to fill has declined dramatically. Plus, agency fees drive away customers, and for jobs with fees paid by employers, employers are becoming less likely to want to take on that additional cost. Instead, they hire from the outside on their own, or begin looking at employees on their staff to fill jobs that have opened. Often, a position will be combined with several others, and all will be redefined so that a replacement is no longer needed.

Many employment agencies are having a new problem crop up more and more — their applicants are just too over-qualified for the jobs that are available. Although the applicants themselves will often be willing to take on a position of much lower prestige or pay, often the employers are skeptical of hiring someone who has a PhD to be a secretary.

It's not such good news for all the students continuing (or starting) their higher education this fall, but higher education can sometimes be a strike against you.



...Job-hunting at OGCP

(continued from page 7)

life has never amounted to anything, and that he is the most horrible, boring person that has ever lived. This attitude is reinforced when the student finds that his entire resume will fit onto the back of a very small envelope, with half inch margins on every side. Right about this time the Peace Corps starts looking good.

Once past this depressing trough, the process is in full swing. Now the student can fill out preference cards to rate the companies he wants to interview with or stand in line at 5:00 a.m. in Campus Security to get into open interview sign-up. The computer science students have a distinct advantage at sunrise, since sleep is a bad habit broken long ago by WACCC.

After companies are meticulously chosen by the student, interviews begin. The actual interview is a lesson in buying and selling, and upon reflection, can be considered very similar to a very old

profession. There is the initial approach. During the next thirty minutes there are questions and answers; the answers are often embarrassing to the point that you would not want your mother to hear them. When finished there is either a feeling of self-satisfaction at a job well done or a feeling of deep humiliation and a loss of self-respect.

In general, the interview process can be an intensely rewarding experience. Seniors get to dress up in nice suits and pretend they are important, or more likely, pretend they are adults. Job offers come rushing in, or more likely, trickling in. And students develop a sense of accomplishment from their four years at WPI, or more likely, a sense of despair when the realization hits them that for the total costs of tuition, room, and board, a two year vacation on the Riviera could have been financed. For seniors who want to keep their options open, Hare Krishna will be recruiting on campus December 8.



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WPI BOX 164

When was the last time you paid whole-sale prices for stereo and video equipment.
TROLLY STEREO WAREHOUSE SALE
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just in time for Christmas.

SALES REPS WANTED — Need extra cash? Self-motivated? Want to set your own hours? Be your own boss. Become a sales representative for ARK Student Bedding, Inc. Income potential is up to you. Must have own phone. For further information, write: ARK Student Bedding, Inc. P.O. Box 534, Wenham, Mass. 01984.

TYPING — reasonable rates. Mrs. Cahill, 755-8551.

FOR SALE: Tenor Saxophone. Approximately four years old. In almost new condition. \$400 or best offer. Write Box 1891 for further details.

Two Centrum concert tickets for Liza Minelli on Nov. 27, fourteenth row. Call Betty at 757-6199 after 6.

It's National Peabrain Week!! — take a Peabrain out to lunch.

HEY JACK OF ALL TRADES, MASTER OF NONE, MONTCLAIRE IS NOT THE CENTER OF THE UNIVERSE.

Just remember, Peabrain are human too. (At least that's what they think!)

PHIL, WHAT HAPPENED TO YOUR PURPLE SHOE LACES?

PUDSY — You gonna go punkin' stealin' with us next year? Trouble and Secretary.

LOVE those legs, Steve! Benz and J.T.

"MADWACKER II" On October 31. **"THE MADWACKER"** did repeat. Check your Sheets Pete.

CCM SUPER TACKS — Brand new skates, size 7. Paid \$180 at end of September. Will sacrifice for much less. Contact Mike, Box 1583 or 755-3724.

HEY O.D. — You have a face only a mother could love. P.S. "Say Please!"

FUFFA — I am glad that I met you. You are the best. We will make it through the rough times. I love you a whole bunch — **DAN**

Hi Clyde

WANTED: Home for a big "little wanderer" . . . He's awfully cute, and he's even housebroken . . . though he does snore. Contact the Dover St. Desperados if interested.

"PUNT" is a four-letter word . . . but so is **"WORK"**.

Eric —
My Carma Rand Over Your Dogma.
— ZMM

Hi Dan! Hi Roberta!
How was your summer? Hope you had as much fun as I. Did you make the big killing on the market recently? Good luck with your studies. Later!

Warmly,
Warren

NEWSPEAK will run classifieds free for all WPI students, faculty, and staff. Free classifieds are limited to 6 lines. Those over 6 lines must be paid for at the off-campus rate of 35 cents/line. Deadline is Friday noon for the following Tuesday issue. Mail to *WPI Newspeak*, Box 2472, or bring to WPI *Newspeak*, Room 01, basement, Sanford Riley Hall. Forms must be filled out with name, address, and phone number for ad to be printed. No last names or last name initials will be printed in personal ads.

NAME _____ PHONE _____

ADDRESS _____ TOTAL ENCLOSED _____

AD TO READ AS FOLLOWS:

Allow only 30 characters per line.

_____	1
_____	2
_____	3
_____	4
_____	5
_____	6
_____	7
_____	8
_____	9

All classifieds subject to space limitations.

Barb,
I wish you would take better care of me. I can't handle much more abuse.

Love,
Kermie

To the Volleyball Team,
Had a great time in the Berkshires! Let's do it again sometime.

Love always,
Kermie

PHIL, CALM DOWN. NO ONE IS GOING TO HURT YOU.

FINALLY — Trolley Stereo is coming to Worcester.

HEY JACKSON — THEM'S FIGHTIN' WORDS!
of course, you realize — this means **WAR!**

Have you hugged a Peabrain today?

John, you're a real man now the quiche must stop! Happy Birthday. — RSG

It's Tuesday do you know where a Peabrain is?

Happy Birthday to Connie and Bill. And don't forget 12:00 Sunday!

FOUND: 1 LARGE pet rock on F1 doorstep. Owner(s) or person with broken tailgate window please contact Raw Veggie Sports, Inc.

AVON PRODUCTS FOR YOURSELF or Christmas gifts for everyone on your list. Please see Lorraine Corey, WPI Mail Room, Boynton Hall, Lower Level.

THE LEPERS ARE COMING! THE LEPERS ARE COMING! Women and young, impressionable children should take shelter immediately.

AL-BUMS

WE
BUY USED
RECORDS



Lowest Prices on New and Used Records

• Imported New Wave LP's & 45's

HOURS

Shrewsbury — Mon., Tues., Sat. 10-6
Wed.-Fri. 10-9

Worcester — Mon.-Fri. 11-9
Sat. 10-5

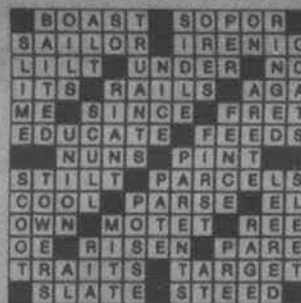
Two Locations

135 BOSTON TURNPIKE, SHREWSBURY 798-0349
NEAR SPAGS

310 1/2 PARK AVE., WORCESTER 798-3657

• We buy used records • Nostalgia Items • Books • Sheet Music
Items of Musical Interest, Etc.

Puzzle Answer



STEREO REPAIRS

- Fast, efficient service
- All makes of audio, video, and pro sound equipment repaired
- we buy and sell used equipment
- consultation

Park Ave Audio Services

434 Park Ave.
Worcester, MA
757-1188

"Let our professionals show you what service really means"

Armando's

Latest Fashion for Men and Women
Designer Clothing - Free Alterations

10% off
with WPI ID

Quality clothes at low prices
267 Grafton St., Worcester 757-1530

Hours: Mon.-Tues.-Sat. 10-6
Wed.-Thurs.-Fri. 10-8

We accept personal checks, Mastercharge, and Visa



Assignment of the week.

_____ of the Week?

Now that the football season is over, we have decided to maintain the notables of the week feature so you "_____ of the week" fans won't be disappointed. Here are some of our ideas for potential candidates.



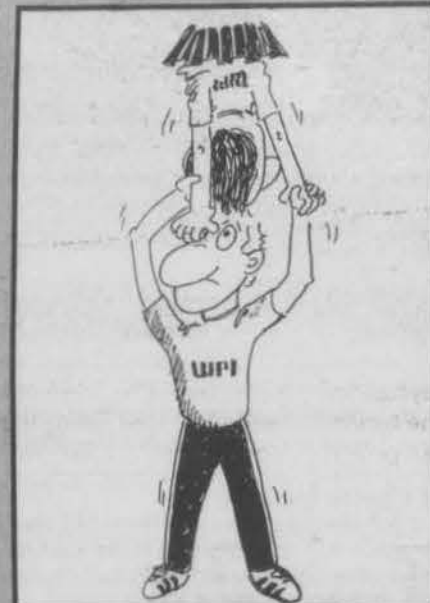
Consortium driver of the week.



Lecturer of the week.



Pick-up of the week.



Position of the week.

WPI Bowling Lanes



**Open
Fridays till
10:00 P.M.**

**50¢ Game
Free Shoes**

**Alumni
Gym**

JC's WELCOMES JOHN VALBY

**Concert for Piano
and 500 Screaming
Assholes**

**Every Monday: Fallen Angel
\$1.00 cover charge
2 for 1 drinks**

**Every Tuesday: Crockett
\$1.00 Molsons all night**

**Every Wednesday: Radio
Star**



JC's food & spirits

**23 Foster Street, Worcester
Right across from the Centrum
Drink Specials Nightly**

Come early-seating limited

752-0637

Doors open at 7:30

Wed. Nov. 17

Nov. 18-21: Katonah

Nov. 25-27: Strutt

Nov. 28: Thru the Doors

Dec. 2-5: Tornado Alley

Dec. 9-12: English

Dec. 16-19: Deja Vu

**Coming New Year's Eve:
English**

Rugby holds second annual charity kegroll



— Steve Knopping.

The WPI Rugby Football Club's 2nd annual charity kegroll took place this past Friday and Saturday. Kegroll you ask; what's a kegroll?

A kegroll consists of rolling a keg (sorry, a dead boy) for 24 hours, non-stop, over a distance of 150 miles.

Funds raised this year (goal \$1,000) will go to the handicapped children of the Sisters of Mercy School in Worcester. All donations, large or small are appreciated.

This is the second year that WPI Rugby has sponsored the event to benefit the Worcester community. Last year the funds raised were donated to the handicapped Boy Scouts of Worcester program supervised by our own Professor H. Corey.

Intramural results

Thirty-five teams played 136 games in the regular season to end a year of fine competition and exciting playoffs.

The teams were divided into two divisions with two leagues in each division. The only two teams with an undefeated season were the Pars — Division I League A, and SAE Division I League B. These two teams met in

Division I playoffs and Pars won three straight games to win the championship.

The Division II race was much closer, with the Budmen number one in League A, and SP number one in League B, each team having only one loss. Stoddard A defeated the Budmen in the semi-finals, and played SP for the Division II championship which SP won 3-1.

Athletes deteriorate slower

Campus Digest News Service

Working up a good sweat on a regular basis may be as close as people will ever come to finding the fountain of youth.

In a Washington University study, researchers are finding that, as the years pass, masters athletes — cyclists and long distance runners over age 50 — may deteriorate at a slower rate than their inactive peers.

Researchers studied 16 aging athletes for three years, and although conclusive data is not yet available, preliminary findings have confirmed a relationship between a person's exercise habits and the rate of decline in cardiovascular function with age.

"We're looking at maximum oxygen uptake capacity — a measure of the cardiovascular system's ability to transport oxygen to the muscles," says professor of preventive medicine John Holloszy, M.D.

World-class runners such as Alberto Salazar and Craig Virgin have oxygen uptake capacities of 70 to 85 milliliters per kilogram. Inactive seniors, ranging in age from 50 to 72, usually have capacities of about 30.

Regardless of health, everyone experiences some decline in this capacity with age. The rate of that reduction is important because it may determine how one feels as age begins to sap strength and endurance. The greater the decline, the lower one's capacity for strenuous exercise.

Non-athletes experience an 8 to 10 percent decline each decade. Most athletes show similar reductions, but this decline may be due to decreased training with age, Holloszy says.

In the masters athletes who have not decreased their training, oxygen uptake capacity often declines as little as 4 percent per decade, indicating a slower decline in cardiac function.

The researchers say that the hearts of people who are inactive work less and less efficiently as the years go by, meaning the system is put under great strain during virtually every physical activity. A vicious cycle results because exercise then becomes too painful to endure, and the decline is accelerated. In the end, muscle function is impaired, the body breaks down, and the time comes to break out the rocking chair and cane.

Previous studies have shown athletes to be far more vigorous than the sedentary subjects, and their decline in exercise capacity to be much slower than that of non-athletes.

The study should mean something to the typically inactive, slightly overweight, beer-drinking American male. Not to mention his female counterpart.

"A decline of 8 to 10 percent per decade doesn't sound like much," says co-researcher James Hagberg, "unless you string together three or four straight decades at that rate. Then you have a total decline of 30 or 40 percent, which is something you can definitely feel. Your cardiac function is impaired."

The slide into the rest home, however, is not inevitable.

If, as preliminary results indicate, this rate can be cut in half with regular vigorous exercise, aging may be returned to its natural level. Healthy exercise may not guarantee a longer life, but it will certainly mean a higher-quality, more active one.

...WPI board of directors

(continued from page 7)

All right, admittedly it isn't a topic one ought to be losing sleep over. There are other things to worry about, things we have all paid considerable sums for the privilege of worrying about. Still, it isn't something to take lightly. All that stuff about the dangers of an uninformed citizenry apply here too, in our own little niche of the universe called WPI.

The title of *Worcester Magazine's* article was "Who Really Runs Worces-

ter?" and that sounds a little sinister, perhaps without intention. And what with all the raging about the corporate misanthropy, one might get a little nervous. After all, we want WPI to remain a school, not a corporate asset. But that is pure paranoia. After all, if one is going to have a board of directors, one might as well have men and women (although there seem to be no female members in this case) who have some experience at it. All these men hold prominent positions in prestigious firms, and they seem to me to be fairly good candidates. One does not rise to importance in businesses of that size without knowing what one is about.

And WPI isn't alone, either. Clark University is also mentioned in the article. In fact, Mr. Jacobson serves on both boards.

Well, to these gentlemen and to the rest of the board, a note of thanks for keeping the school on the straight and narrow. A lot of schools are in deep financial trouble, but at least we don't have that to worry about. And a reminder not to forget us students down here on the campus. *Newspeak* may not be the *Worcester Telegram* and *Gazette*, but we can hope that the board gives us an eye once in a while, too.

CAMPUS CAPSULES

Interviewing Tips

At 4 p.m. today ASME will present Ms. Linda Backens of Chevron Corporation who will speak on interviewing techniques and how to put your best foot forward in a job interview. Coffee and donuts will be served at 4 p.m. in Higgins Lab 101 and the presentation will begin at 4:15 in HL 109. Everyone is welcome!

Confirmation

The Bishop will coming to WPI in the Spring. All those who would like to be confirmed this Spring are asked to call the Religious Center, (757-6097) before

November 24 so that proper arrangements may be made.

In Memorium

The Sunday Mass of November 21 will be offered for Matthew Aspden. Mr. Aspden was the father of one of our students, Liz Aspden. Mr. Aspden passed away September 8, 1982.

Management Department

January Competency Examination Registration Deadline: Tuesday, November 23, 1982 at 12:00 noon. Certificates of Eligibility Forms are now available in the Management Office.

AGD Craft Affair

The sisters of Alpha Gamma Delta are participating in a craft affair to benefit their philanthropy, the Juvenile Diabetes Foundation. The 4th Annual "Crafty Affair" is sponsored by the Holden Woman's Club of Holden, MA. It will be held on Saturday, November 20, from 10 a.m. to 4 p.m. at the First Baptist Church of Holden, 1216 Main St., Holden, MA. The crafts are handmade and were donated by the members of AGD. Please show your support of this worthwhile cause.



When you're discussing something as important as your future, it's urgent that you get the straight facts... and that you understand them. Air Force ROTC can be an important part of your future. We would like to outline some of the facts and invite you to look into gathering more.

It's a fact: the Air Force needs highly-qualified, dedicated officers... men and women. It's a fact: we need people in all kinds of educational disciplines. It's a fact: we're prepared to offer financial help to those who can qualify for an Air Force ROTC scholarship.

Get together with an AFROTC representative and discuss the program. We'll give you all the facts. It could be one of the most important talks you've ever had with anyone about your educational plans.

Contact: Major Joe Policastro 793-3343

AIR FORCE

ROTC

Gateway to a great way of life.

what's happening

- Tuesday, November 16**
Science Fiction Society Book Sale in the Wedge, 11:00 A.M. - 1:00 P.M.
Weekday Mass, Religious Center, 10:00 P.M.

Wednesday, November 17
Grolsch Nite in the Pub, 8:00 P.M.
Chemistry Colloquium, GH227, 4:00 P.M.

Thursday, November 18
Jewelry Sale in the Wedge, 9:00 A.M. - 4:00 P.M.
Talley's Folly, Alden Hall, 8:00 P.M.
Coffeehouse Entertainment featuring "Howie Newman", Wedge, 9:00 P.M.
- Friday, November 19**
Talley's Folly, Alden Hall, 8:00 P.M.
Dance Daze, Alumni Gym, 8:00 P.M., Admission \$2.00.

Saturday, November 30
Pub entertainment, 9:00 P.M.

Sunday, November 21
Sunday Mass, Alden Hall, 11:00 A.M.
The Reel Thing presents "Hopscotch," Alden Hall, 6:30 and 9:30 P.M., Admission \$1.00.


UNMASQUEING

A celebration of theatre & performance at WPI

November 11-20
evenings at 8:00 in Alden Hall

Thursday	Friday
11	12
TALLEY'S FOLLY	TALLEY'S FOLLY
by Lenford Wilson	
★ directed by Dr. Susan Vick ★	
produced by THE HUMANITIES DEPARTMENT	
A PREVIEW NIGHTS \$1 per ticket	

Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
15	16	17	18	19	20
staged-reading of the contemporary play CLOUD 9 produced by Joanne Shatkin	COMEDY • MONOLOGUES • JAZZ including the antics of Keefer & Rosenblum and a new jazz event	WPI Originals! THE CLOCK AND THE GIRL by Bill Howe AN UNTITLED ONE-ACT by Carole Gerardo	TALLEY'S FOLLY and at 9:30... Dance Concert with Joyce Rosen	TALLEY'S FOLLY and at 9:30... plays by SHAW & others featuring the talents of many WPI students in staged readings	The Masquerade COME IN YOUR BEST COSTUME and DANCE to the music of the LEPERS for the first time ever at 8:00 or 9:00

plus...  Mixed Bag free lunch-time events at NOON in Alden
watch the dome of Alden for date particulars

* EVENT TICKET \$5 for 6 events *
WPI \$1 per event, others \$2
Available at the HU Department or at the door

NOV 15 20 1982